

## Mouse FGFR2 Monoclonal Antibody | anti-FGFR2 antibody

FGFR2 antibody

|                               |                      |                                                                                           |
|-------------------------------|----------------------|-------------------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA106449</b> | HOST<br><b>Mouse</b> | APPLICATIONS<br><b>Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay</b> |
|-------------------------------|----------------------|-------------------------------------------------------------------------------------------|

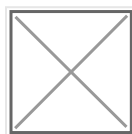
### PRODUCT SYNONYMS

FGFR2; Monoclonal Antibody; FGFR2 antibody; Monoclonal FGFR2; Anti-FGFR2; Fibroblast growth factor receptor 2; Keratinocyte growth factor receptor; BEK; CD332; CEK3; Bacteria expressed kinase; KGFR; CFD1; Jackson Weiss syndrome; Craniofacial dysostosis 1; FGFR 2; FGFR-2; anti-FGFR2 antibody

### PRODUCT SPECIFICATIONS

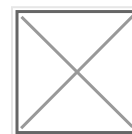
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|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Clonality                                       | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Isotype                                         | IgG2b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Clone Number                                    | 4D6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Purity/Purification                             | FGFR2 antibody was purified by affinity chromatography.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Form/Format                                     | Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Concentration                                   | 500 ug-1 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Sequence Length                                 | 821                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Applicable Applications for anti-FGFR2 antibody | WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Biological Significance                         | FGFR2 is a member of the fibroblast growth factor receptor family, where amino acid sequence is highly conserved between members and throughout evolution. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein consists of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment and a cytoplasmic tyrosine kinase domain. The extracellular portion of the protein interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. This particular family member is a high-affinity receptor for acidic, basic and/or keratinocyte growth factor, depending on the isoform. |
| Cross-Reactivity                                | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Immunogen                                       | FGFR2 antibody was raised in mouse using a full length recombinant protein of human FGFR2 (NP_000132) produced in HEK293T cells, as the immunogen.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Preparation and Storage                         | Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescent staining of COS7 cells transiently transfected with recombinant FGFR2 protein using FGFR2 antibody



#### WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant FGFR2 protein (Right) or empty vector (Left) detected with FGFR2 antibody

ADDITIONAL INFORMATION

|                                                     |                                 |
|-----------------------------------------------------|---------------------------------|
| Related Product Information for anti-FGFR2 antibody | Mouse monoclonal FGFR2 antibody |
| Product Categories/Family for anti-FGFR2 antibody   | Signal Transduction             |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 221316639                                                                                      |
| NCBI GeneID                      | 2263                                                                                           |
| NCBI Accession #                 | NP_000132                                                                                      |
| NCBI GenBank Nucleotide #        | NM_000141.4                                                                                    |
| UniProt Accession #              | P21802; P18443; Q01742; Q12922; Q14300; Q14301; Q14302; Q14303; Q14304; B4DFC2; E7EVR6; E9PCR0 |
| Molecular Weight                 | 79,833 Da                                                                                      |
| NCBI Official Full Name          | fibroblast growth factor receptor 2 isoform 1                                                  |
| NCBI Official Synonym Full Names | fibroblast growth factor receptor 2                                                            |
| NCBI Official Symbol             | FGFR2                                                                                          |
| NCBI Official Synonym Symbols    | BEK; JWS; BBDS; CEK3; CFD1; ECT1; KGFR; TK14; TK25; BFR-1; CD332; K-SAM                        |
| NCBI Protein Information         | fibroblast growth factor receptor 2                                                            |
| UniProt Protein Name             | Fibroblast growth factor receptor 2                                                            |
| UniProt Gene Name                | FGFR2                                                                                          |
| UniProt Synonym Gene Names       | BEK; KGFR; KSAM; FGFR-2; KGFR                                                                  |
| UniProt Entry Name               | FGFR2_HUMAN                                                                                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/fgfr2-antibody-clone-4d6-western-blot-immunofluorescence-flow-cytometry-elisa/106449>